

Attachment D

Summary of Impacts and Mitigation Measures NCC South Levee - Phase 1 Improvements

SAFCA has proposed mitigation measures for the potential impacts associated with the Natomas Cross Canal South Levee Phase 1 Improvement Project (NCC Phase 1). The EIR for the proposed work identified several environmental concerns for the work and the potential impacts. The mitigation measures in the EIR are proposed to reduce the potential impact and ensure the associated environmental laws and regulations are recognized and impacts to the resource are reduced and/or eliminated. The impacts of construction activities directly related flood control have also been identified; they are impacts associated with geology, soils and water resources. These identified potential impacts have been reviewed by staff and the proposed mitigation measures have been evaluated. Staff concurs with SAFCA recommendations for the mitigation measures and findings regarding the effects of construction on the surrounding resources.

Geology, Soils and Water Resources

Potential Impacts	Mitigation Measure	Level of Significance before Mitigation	Level of Significance after Mitigation	Staff Comments
<u>Impact 3.3-a.</u> Potential Temporary, Short-Term Construction-Related Erosion. <u>Impact 3.4-a.</u> Temporary water quality effects from Storm water runoff, erosion, and spills associated with construction	Implement Standard Best Management Practices (BMP's), Prepare and Implement a Storm water Pollution Prevention Plan (SWPPP), and Comply with National Pollutant Discharge Elimination System (NPDES) Permit Conditions	Significant	Less than Significant	DWR staff agrees with SAFCA recommendations for mitigation regarding these concerns.

Hydrology and Hydraulics

SAFCA has finalized an Environmental Impact Report for all proposed improvements works in the Natomas area. EIR discloses impacts of the project and proposes mitigations in accordance with the guidelines of the California Environmental Quality Act. The report examines hydraulic impacts of the overall project, but it does not discuss hydrology and hydraulic impacts associated with construction of slurry cutoff wall along NCC. Staff has requested SAFCA to perform seepage calculations and estimate the quantity of potential seepage flow along the south levee of NCC. This information will be provided to the Board members during the March 16 meeting. However, based on staff understanding of the purpose of the cutoff wall the hydraulic impacts associated with this project are expected to be negligible.